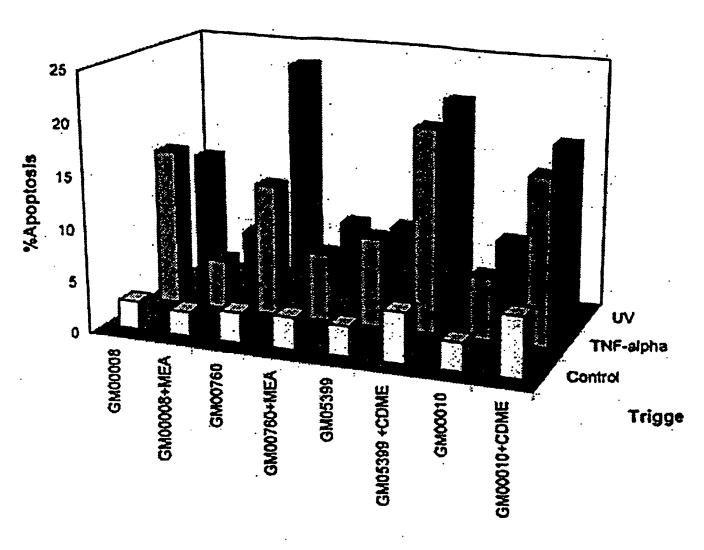
FIG. 1



Cell type/Treatment

FIG. 2

Treatment Compound	% Apoptosis	Compound Structure
Control	5.3	
Cystine	8.3	S-S-S-OH
Cystine Dimethylester (CDME)	39.7	H ₃ CO - S-S- OCH ₃
Cystamine	5.0	H ₂ N S NH ₂ .
Djenkolic Acid	5.8	HO NH ₃ S NH ₂ OH
Djenkolic Acid Dimethylester (DKADME)	6.0	H ₃ CO S S OCH ₃
Penicillimine Disulfide	4.5	HO HSC S-S CH, OH
Penicillimine Disulfide Dimethylester (PDDME)	5.8	H ₃ CO H ₃ S-S CH ₃ OCH ₃
Cys-Ala Disulfide	5.1	HO HO NH ₂ S-S NH ₂ OH
Cys-Ala Disulfide Dimethylester (CADME)	4.8	H ₃ CO H ₂ S-S NH ₂ CH ₃ OCH ₃
Cys-Gly Disulfide	4.4	но
Cys-Gly Disulfide Dimethylester (CGDME)	7.4	H ₃ CO NH ₂ S-S NH ₃ OCH ₃
Cys-Val Disulfide	6.3	HO HO NH ₂ S-S NH ₂ OH
Cys-Val Disulfide Dimethylester (CVDME)	4.5	H ₃ CC CH ₃ S-S NH ₃ OCH ₃

FIG. 3

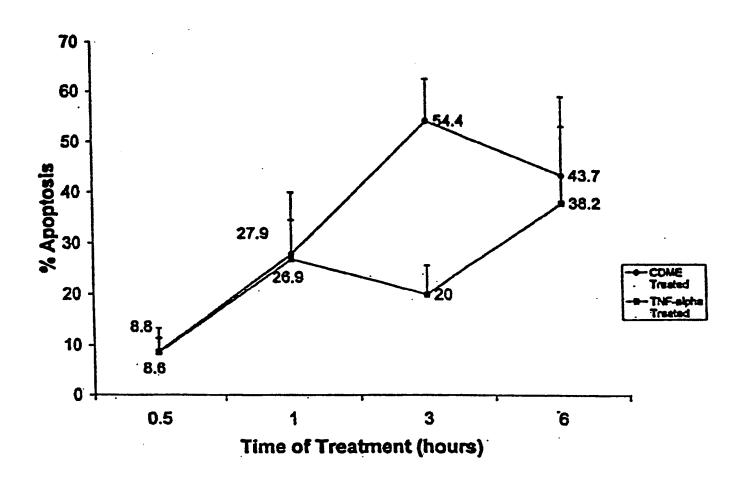


FIG. 4

